



# **The Next Steps Toward an ADS-B Link Decision**

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# Overview

- Information Gathering
- Technical Assessment
- Economic Assessment
- ADS-B Architectures Factors
- Information Sharing
- Link Selection



# Information Gathering

- The FAA will continue to gather economic and technical information that might influence the link selection
  - This Workshop is one vehicle for gathering such information
- One-on-One exchanges with avionics vendors and user organizations will continue through July to collect
  - data on projected costs
  - equipage rate estimates
  - risk areas
- Additional data to support the technical assessment of the candidate ADS-B links is being gathered
  - increased fidelity to simulation models and/or scenarios
  - data from flight tests



# Technical Assessment

- The FAA will supplement the TLAT findings with additional technical data
  - Post-TLAT Refinements to the link simulation models and/or future scenarios (e.g., antenna pattern effects, geography effects, enhanced traffic models, etc.,)
  - Flight test results that became available post-TLAT
- Refinements to the technical assessment will focus on:
  - where the TLAT findings were inconclusive
  - where TLAT was presented with conflicting data
  - U.S. scenarios
- Assess the capabilities and limitations of a ground gateway for providing interoperability between ADS-B links



# Economic Assessment

## ■ Refinements to the ADS-B Cost Benefits Analysis

- The inputs to the CBA model will be updated based on data from this workshop and one-on-one exchanges
- **refine estimates for costs associated with multi-link alternatives**
- refine estimates for equipage rates
- **refine estimates for airborne segment costs**
- **refine estimates for ground segment costs**



## **ADS-B Architecture Factors**

- **Each ADS-B link alternative has associated architecture implications**
  - **identify discriminators that significantly impact costs**
  - **identify discriminators that would impact service availability date**
  - **identify discriminators that would impact integration with other NAS surveillance and/or automation services**
  - **identify discriminators that would impact transition to ADS-B services**
  - **identify discriminators that would impact the accommodation of international users**



## Information Sharing

- **FAA to host a Public Meeting in September 2001 to share their findings on the technical and economic factors that will influence the selection of an ADS-B link architecture**
  - **meeting date and location to be announced in the Federal Register**



## Link Selection

- **Based on the FAA findings, a recommended ADS-B link architecture will be provided to the FAA Administrator in September 2001**
- **It is expected that the selection of the ADS-B link architecture to be supported in the NAS will be announced by the FAA Administrator this Fall**





## Conclusion

- The FAA is moving forward toward the selection of an ADS-B link architecture this year
- Manufacturers and user groups are encouraged to support the FAA's information gathering activities through one-on-one exchanges
- The FAA will share its findings on the economic and technical aspects of the alternative ADS-B link architectures before a link decision is announced